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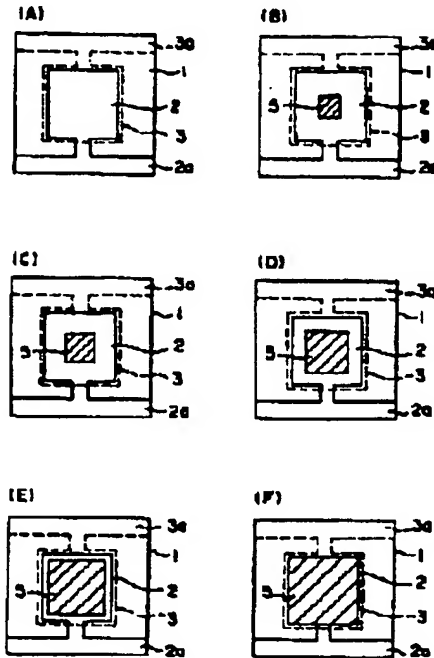
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APPLICANT : MURATA MFG CO LTD;

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TITLE : PIEZOELECTRIC RESONATOR AND  
ITS RESONANCE FREQUENCY  
ADJUSTMENT METHOD



ABSTRACT : PURPOSE: To realize the piezoelectric resonator with less defect of a resonance frequency by improving the adjustment accuracy of the resonance frequency.

CONSTITUTION: Vibration electrodes 2, 3 are provided on the surface of a piezoelectric board 1 whose thickness is slightly thinner than the design plate thickness. Then the resonance frequency of the piezoelectric board 1 provided with the vibration electrodes 2, 3 is measured tentatively. Since the thickness of the piezoelectric board 1 is thinner than the design value, the measured value is higher than the design value of the resonance frequency. Then a difference between the measured value of the resonance frequency and the design value is calculated. A coating area of a resonance frequency adjustment ink 5 is decided based on the difference and the ink 5 is applied to the surface of the vibration electrode 2 as shown, e.g. (B)-(F).

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